Honeywell

CM67/61NG

Installation Reference Sheet

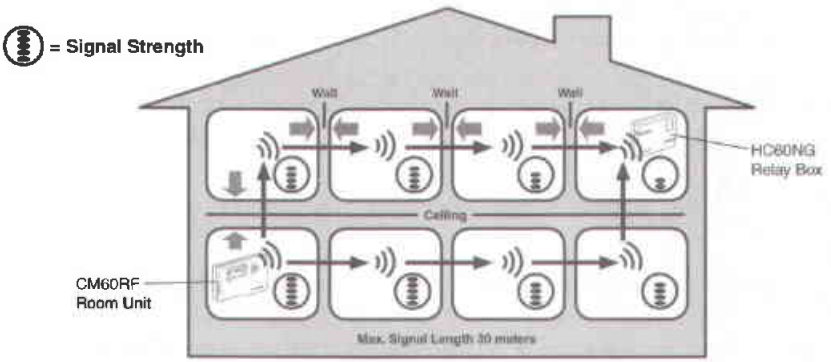
Before installing the CM67/61NG Room Unit/s and HC60NG Relay Box we advise the following information is reviewed so any issues encountered during the installation are understood more clearly and easily resolved.

NOTE 1:
The system packs provided by Honeywell (Room Unit/s and Relay Box) are pre-configured at the factory; therefore, they SHOULD be installed at the same site (and in the same zone if it is in a zoned system). If products from these system packs are separated, or mixed with other pre-configured system packs during installations, the **RESET/ REBINDING Procedure** (see Page 2) is required to bind the desired units together and allow them to communicate with each other.

NOTE 2:
As these products communicate using RF technology special care must be taken during installation. The location of the RF components as well as the building structure may influence performance of the RF system. To assure system reliability, please review and apply the information given below.

Within a typical residential building the two products should communicate reliably within a 30m range. It is important to take into consideration that walls and ceilings will reduce the RF signal. The strength of the RF signal reaching the receiver depends on the number of walls and ceilings separating it from the room unit as well on the building construction - walls and ceilings reinforced with steel or plasterboard walls lined with metal foil reduce the RF signal significantly more.

This diagram shows the limitations of RF technology and advises where the Room Unit/s should be installed to avoid any potential communication issues. Once a position is selected for the Room Unit/s this can be checked using the RF Communication Test mode as described in the 'Locating the Room Units' sections of the Installation Guide. If the position is unsuitable the Relay Box will not respond and an alternative position/s must be selected.



Typical example of Building Fabric Signal losses

NOTE 3:

When **replacing a CM60RFNG Room Unit or HC60NG Relay Box** in a previously installed system the **RESET/REBINDING Procedure** must be completed to ensure the binding information from the replaced unit is erased and the new unit becomes properly bound to the system.

- **Single Zone System:** the **RESET/REBINDING Procedure** (below) must be completed.
- **Multizone system:** Depending on which unit is being replaced, different parts of section **'D. Multi-zone RF System'** in the Installation Guide have to be followed.
  - A **replacement HC60NG 'Zone Controller'** needs to be bound to the Room Unit for that zone using the **RESET/REBINDING Procedure** (below) and to the Master Room Unit (if this is a different unit) by following steps **5** to **10** in section **'2. System Timing Master Setup'** of the Installation Guide.
  - A **replacement HC60NG 'Boiler Controller'** needs to be rebound to all Room Units in the system by following section **'3. Binding the Room Units to the Boiler Controller'** of the Installation Guide.
  - A **replacement CM60RFNG Room Unit** needs to be rebound to its 'Zone Controller' using the **RESET/REBINDING Procedure** (below).

    The 'Boiler Controller' needs to be reset using step **1** of the **RESET/REBINDING Procedure** (below) to erase the binding information of the original Room Unit.

    *This also erases the binding information for all the other Room Units, so section **'3. Binding the Room Units to the Boiler Controller'** of the Installation Guide needs to be followed in order to rebind all Room Units (including the replacement) to the 'Boiler Controller'.*

RESET/REBINDING Procedure

During this procedure it is best to keep approximately 1m distance between the Room Unit/s and the Relay Box.

1. Press and hold the Relay Box push button for **at least 15 sec** to reset the previously stored data - The red LED should start to flash at **0.1s on / 0.9s off**.
2. **Release** the push button.
3. Press and hold the Relay Box push button for **5 sec** to enter the binding mode. The red LED flashing at **0.5s on / 0.5s off** now confirms the binding mode has been entered.
4. Move the Room Unit slider to the **OFF** position (for the CM61NG push the **OFF** button) and then press the **TEMP** ▲,▼ and **PROG 1** buttons together. The Room Unit will display ***InSt***.

5. Press the ℹ button to send the binding signal. The red LED is switched off to confirm successful binding operation. If red LED still flashes push the ℹ button again until binding is successful.
6. Move the Room Unit slider to **AUTO** or **MAN** position (for CM61NG press the **AUTO** or **MAN** button) to exit the binding mode.